

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1710' FNL, 1760' FEL, Sec.25, T-25-N, R-2-W, NMPM

5. Lease Number
NM-03991
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Hill Federal #2Y
9. API Well No.
30-039-23852
10. Field and Pool
Gavilan Mancos
11. County and State
Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

| Type of Submission | Type of Action |
|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input type="checkbox"/> Other - |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Conversion to Injection |

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
JUN 13 1996

OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed Robert Kent (ROS9) Title Regulatory Administrator Date 5/20/96
for Chief, Lands and Mineral Resources

(This space for Federal or State Office use)

APPROVED BY Robert Kent Title _____ Date JUN 11 1996
CONDITION OF APPROVAL, if any:

Surface restruction requirements in enclosed letter.

PLUG & ABANDONMENT PROCEDURE

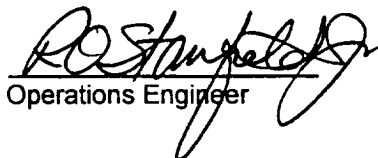
5-7-96

Hill Federal #2Y
Gavilan Mancos
NE Section 25, T-25-N, R-02-W
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Meridian safety rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. POH and tally 239 joints 2-3/8" , 4.7#, 8rd, J-55 tubing (7606', SN @ 7561'); visually inspect. If necessary LD 2-3/8" tubing and PU 2-3/8" workstring. Run 5-1/2" gauge ring to PBTD @ 8168' or as deep as possible.
3. **Plug #1 (Dakota top, 8057' - 7957')**: PU 5-1/2" cement retainer and RIH to 8057' or as deep as possible. Pump 50 bbls water down tubing. Mix 17 sx Class B cement and spot a balanced plug over the Dakota top. POH to 6900'.
4. **Plug #2 (Mancos perforations and Gallup top, 6900' - 6850')**: Set 5-1/2" cement retainer at 6900'. Pressure test tubing to 1000#. Load casing with water and pressure test to 500#. Mix 12 sx Class B cement and spot a balanced plug above the retainer. POH to 5335'.
5. **Plug #3 (Mesaverde top, 5335' - 5235')**: Mix 17 sx Class B cement and spot balanced plug inside casing to cover Mesaverde top. POH to 3570'.
6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3570' - 3204')**: Mix 47 sx Class B cement and spot balanced plug inside casing to cover Ojo Alamo top. Pressure test casing to 500#. POH and LD setting tool.
7. **Plug #5 (Nacimiento top, 1845' - 1745')**: Perforate 3 or 4 squeeze holes at 1845'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1795'. Establish rate into squeeze holes. Mix 60 sx Class B cement and squeeze 43 sx cement outside 5-1/2" casing and leave 17 sx cement inside casing to cover Nacimiento top. POH and LD setting tool.
8. **Plug #6 (Surface)**: Perforate 3 HSC squeeze holes at 443'. Establish circulation out bradenhead valve. Mix and pump approximately 286 sx Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve.
9. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended:


Operations Engineer

Approval:

Production Superintendent

Hill Federal #2Y

Current

Gavilan Mancos

1710' FNL, 1760' FEL, DPNO 1539

NE Section 25, T-25-N, R-2-W, Rio Arriba County, NM

Latitude/Longitude: 36.371445 / 106.997910

Today's Date: 5/7/96

Spud: 8/26/85

Completed: 10/23/85

Elevation: 7453' (GL)
7467' (KB)

Logs: GR-CBL/CCL,
Ind. Guard Log, CNL,
Temp Survey

Nacimiento @ 1795'

Ojo Alamo @ 3254'

Kirtland @ 3404'

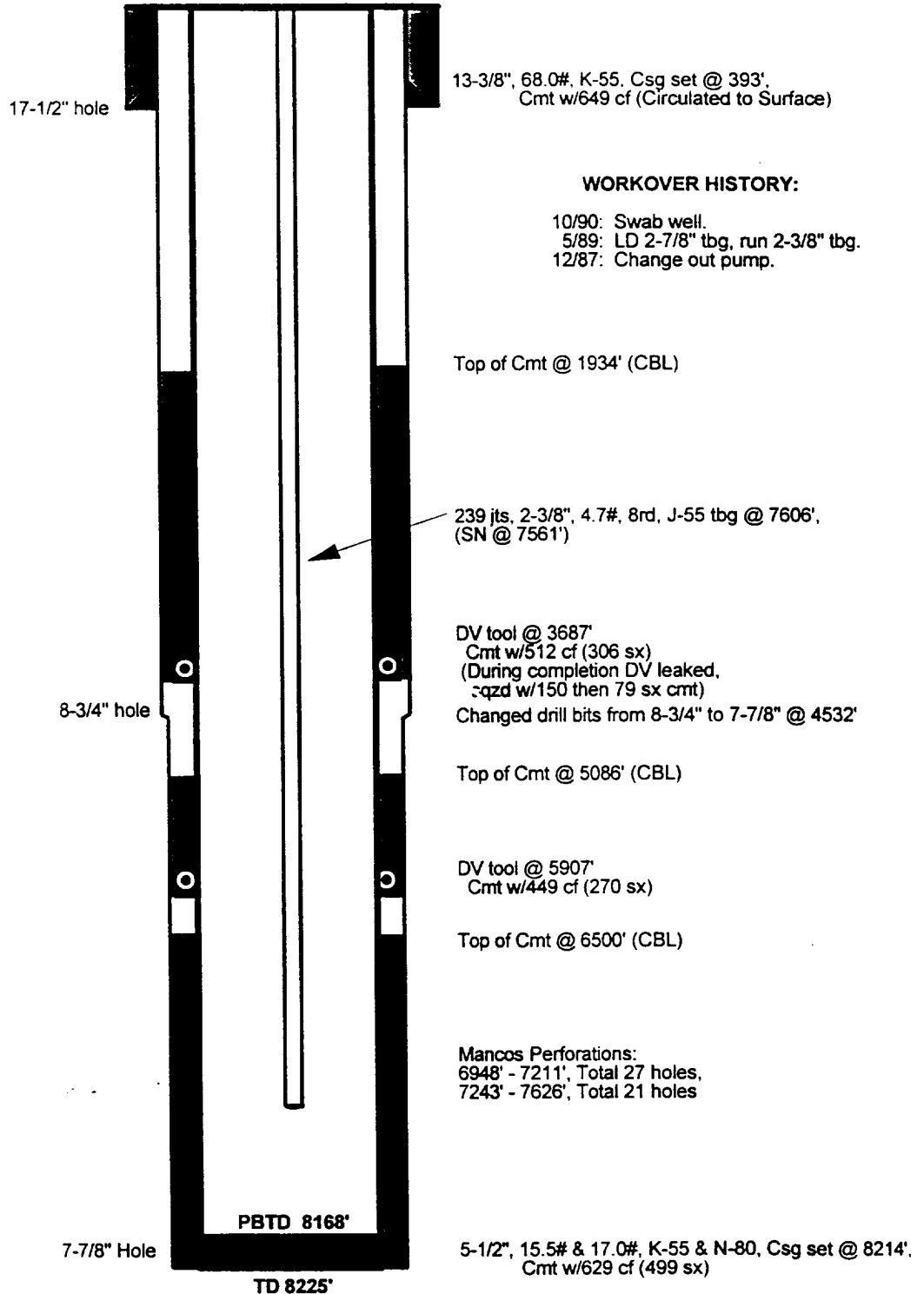
Fruitland @ 3453'

Pictured Cliffs @ 3520'

Mesaverde @ 5285'

Gallup @ 6948'

Dakota @ 8007'



| Initial Potential | | Production History | Gas | Oil | Ownership | Pipeline |
|-------------------|-----|--------------------|------------|------------|-----------|----------|
| Initial AOF: | N/A | Cumulative: | 231.3 MMcf | 31.7 Mbo | GWI: | 66.66% |
| Current SICP: | N/A | Current: | 0.0 Mcfd | 0.0 bbls/d | NRI: | 52.08% |
| | | | | | TRUST: | 00.00% |

Hill Federal #2Y

Proposed P&A

Gavilan Mancos

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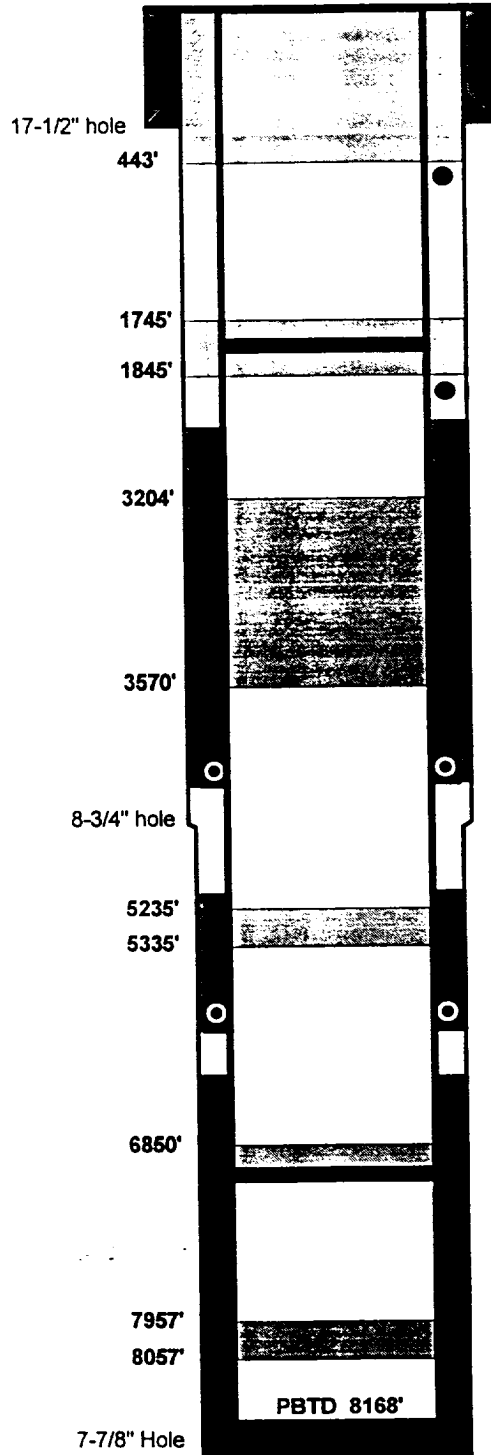
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Pictured Cliffs @ 3520'

Mesaverde @ 5285'

Gallup @ 6948'

Dakota @ 8007'



13-3/8", 68.0# K-55, Csg set @ 393'.
Cmt w/649 cf (Circulated to Surface)

Perforate @ 443'

Plug #6: 443' - Surface,
Cmt w/286 sx Class B Cmt

Plug #5: 1845' - 1745',
Cmt w/60 sx Class B Cmt,
43 sx outside csg and 17
sx inside csg

Cmt Retainer @ 1795'

Perforate @ 1845'

Top of Cmt @ 1934' (CBL)

Plug #4: 3570' - 3204',
Cmt w/47 sx Class B Cmt

DV tool @ 3687'
Cmt w/512 cf (306 sx)
(During completion DV leaked,
sqzd w/150 then 79 sx cmt)

Changed drill bits from 8-3/4" to 7-7/8" @ 4532'

Top of Cmt @ 5086' (CBL)

Plug #3: 5335' - 5235',
Cmt w/17 sx Class B Cmt

DV tool @ 5907'
Cmt w/449 cf (270 sx)

Top of Cmt @ 6500' (CBL)

Plug #2: 6900' - 6850',
Cmt w/12 sx Class B Cmt

Cmt Retainer @ 6900'

Mancos Perforations:
6948' - 7211', Total 27 holes,
7243' - 7626', Total 21 holes

Plug #1: 8057' - 7957',
Cmt w/17 sx Class B Cmt

5-1/2", 15.5# & 17.0# K-55 & N-80, Csg set @ 8214',
Cmt w/629 cf (499 sx)

TD 8225'

| Initial Potential | | Production History | Gas | Oil | Ownership | Pipeline |
|-------------------|-----|--------------------|------------|------------|-----------|----------|
| Initial AOF: | N/A | Cumulative: | 231.3 MMcf | 31.7 Mbo | GW: | 66.66% |
| Current SICP: | N/A | Current: | 0.0 Mcfd | 0.0 bbls/d | NRI: | 52.08% |
| | | | | | TRUST: | 00.00% |

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator MERIDIAN OIL Well Name HILL FEDERAL #2Y

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :NONE